

Title (en)
Male terminal fitting and method of manufacturing the same

Title (de)
Steckverbinder und Verfahren zur Herstellung

Title (fr)
Connecteur à fiche et procédé de fabrication

Publication
EP 1231675 A3 20041222 (EN)

Application
EP 02002080 A 20020211

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• JP 2001036001 A 20010213
• JP 2001146830 A 20010516
• JP 2001238137 A 20010806

Abstract (en)
[origin: EP1231675A2] A male terminal fitting and a method of manufacturing the same is disclosed as including a plate-shaped contact protrusion (11, 31, 41, 51) formed at one side for mating with a female terminal fitting, and a conductor clamping portion (12, 32, 42, 52) located at the other side for clamping a conductor of an electric wire. The plate-shaped contact protrusion includes a base plate component (14, 34, 44, 54) extending from the conductor clamping portion in a longitudinally elongated shape, and an overlapping fold plate component (15, 35, 36, 45, 46, 55) laterally extending from a side of the base plate component. The plate-shaped contact protrusion further includes a flatness securing plate component (16, 35, 44, 56) laterally extending from the base plate component and overlaps with the overlapping fold plate component to ensure flatness conditions of the base plate component and the overlapping fold plate component. In the method, a plurality of sequentially arrayed male terminal fittings are formed by stamping operation and a forming operation is implemented to form each of the terminal fittings into final shapes, respectively. <IMAGE>

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Citation (search report)
• [X] US 6077131 A 20000620 - FUKUDA KIYOHITO [JP], et al
• [A] EP 0693798 A1 19960124 - SUMITOMO WIRING SYSTEMS [JP]

Cited by
EP2571104A1; CN102377047A; EP2860829A1; WO2020234104A1

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